

Fig-1

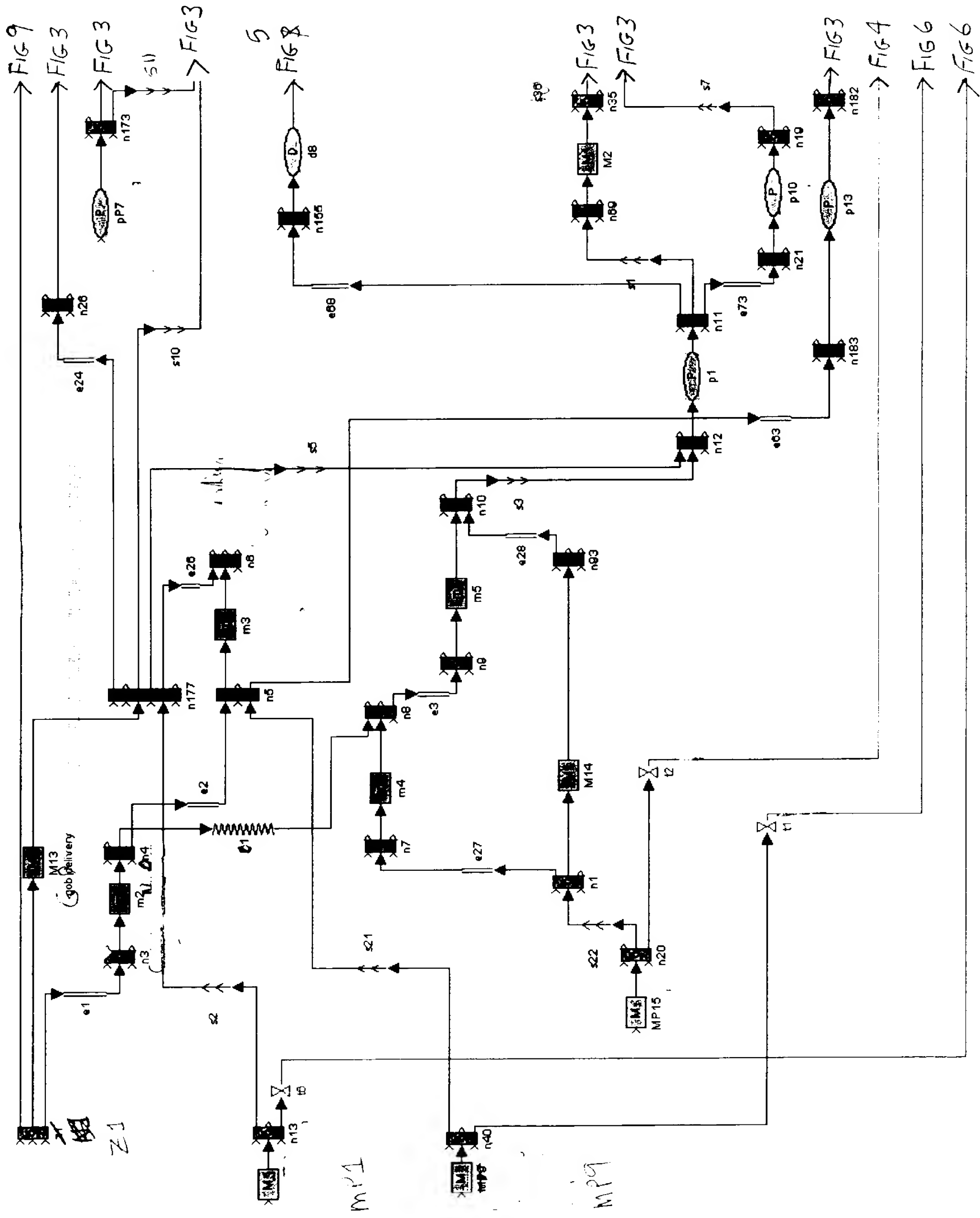


FIG 2

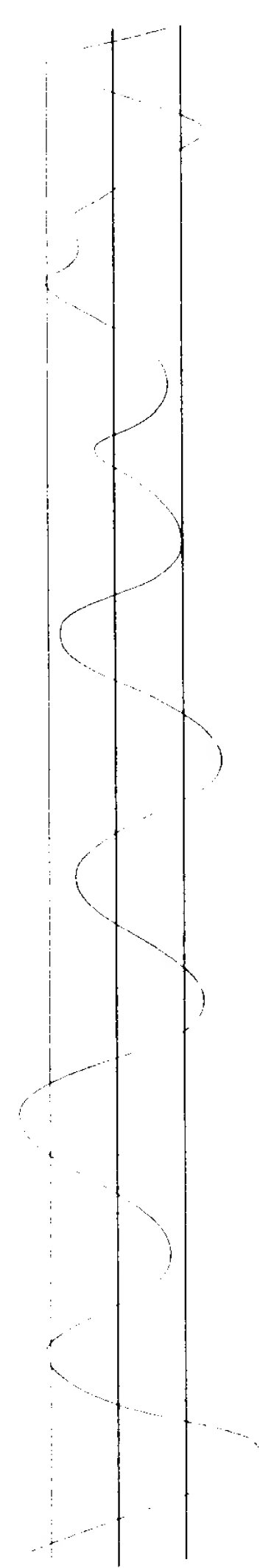
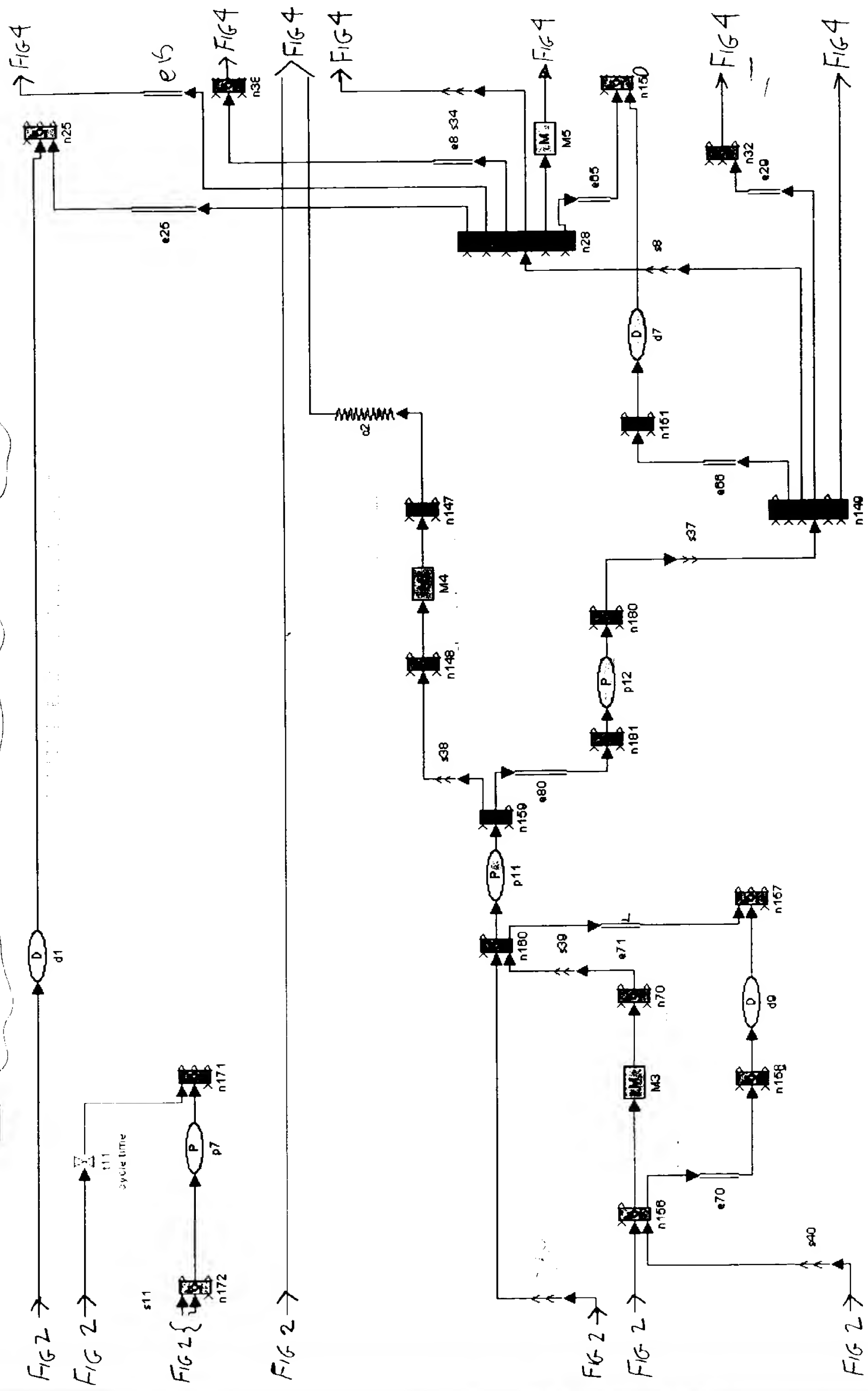


FIG. 3

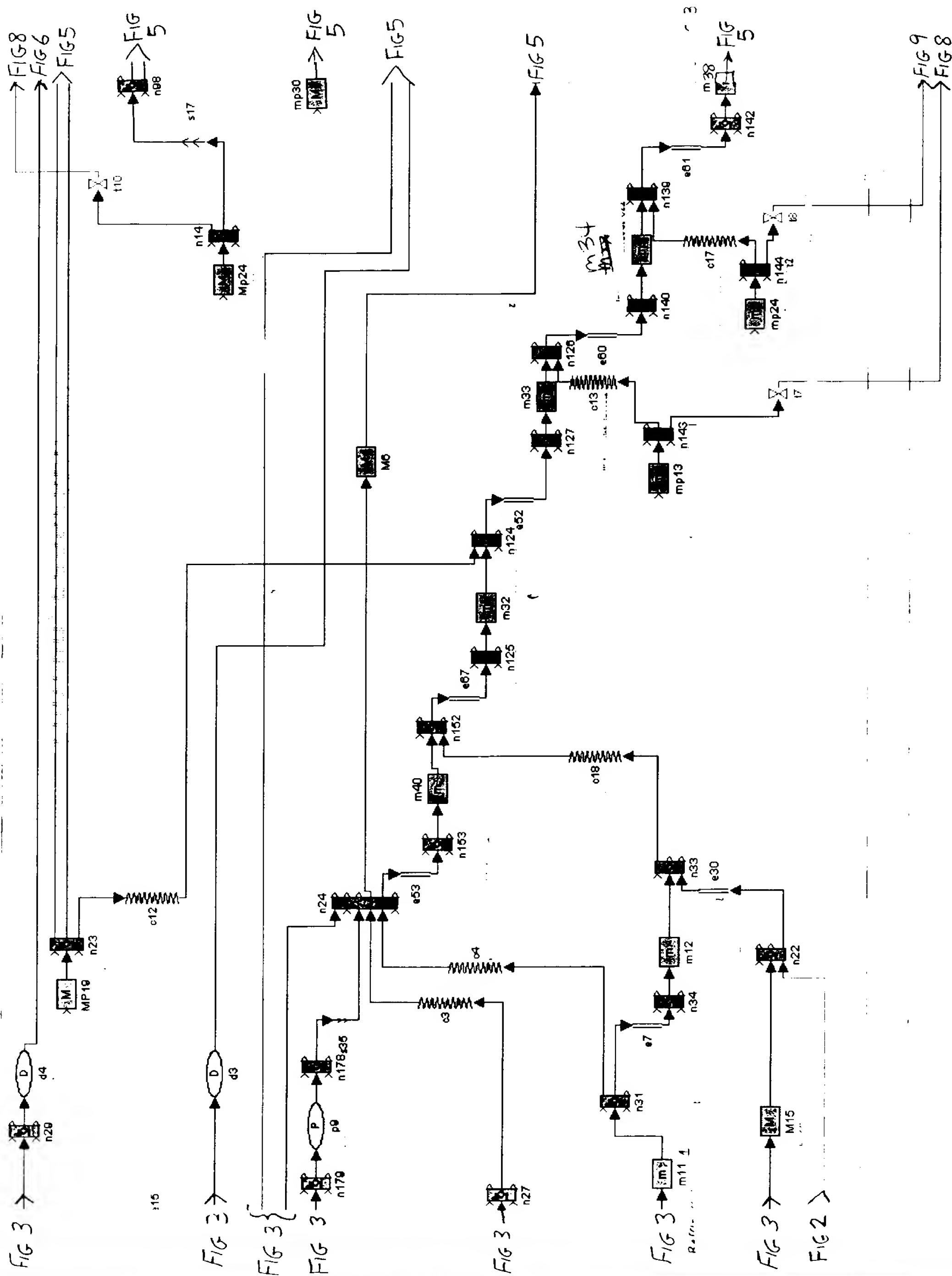
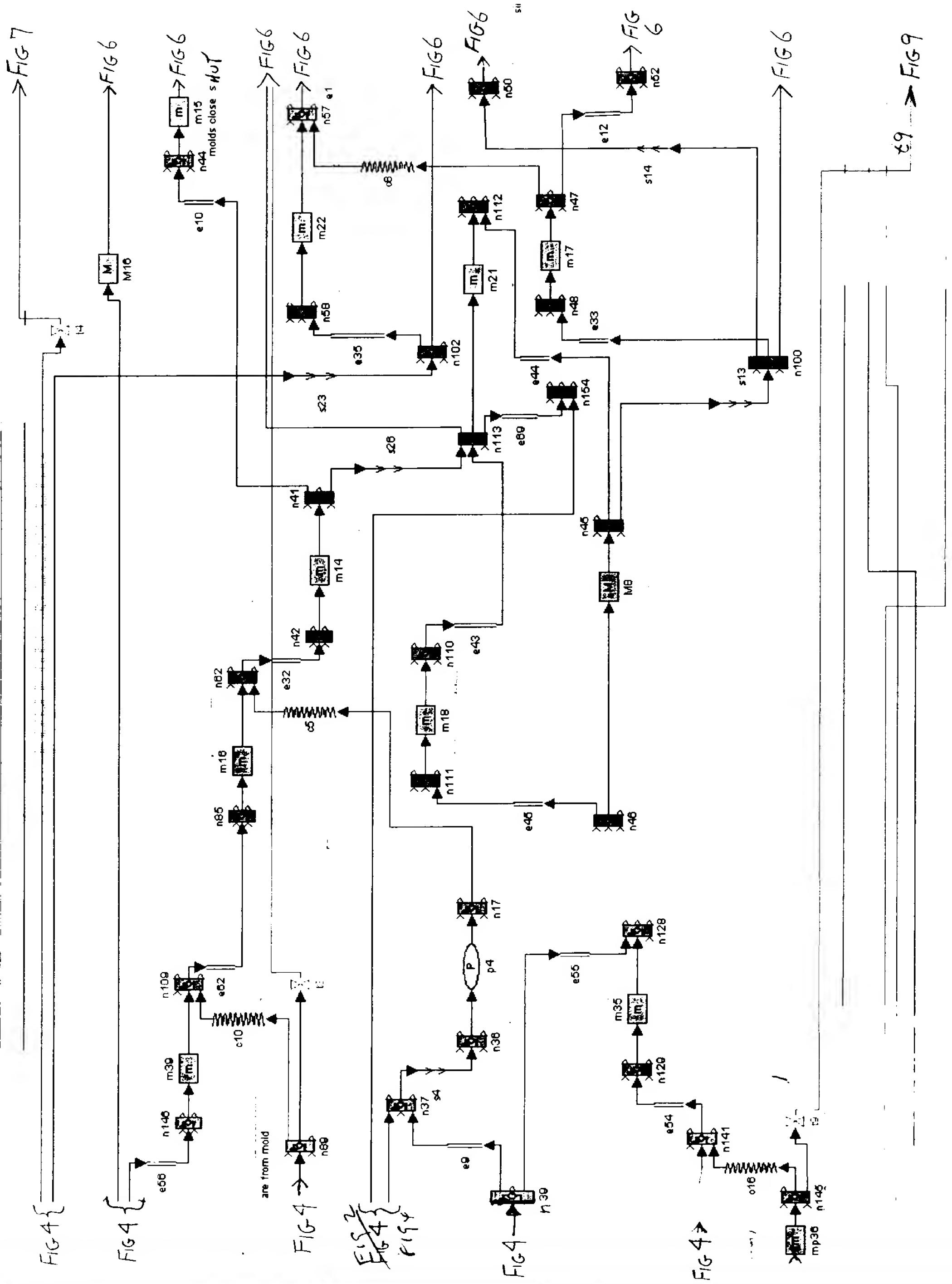


FIG 4



File 5

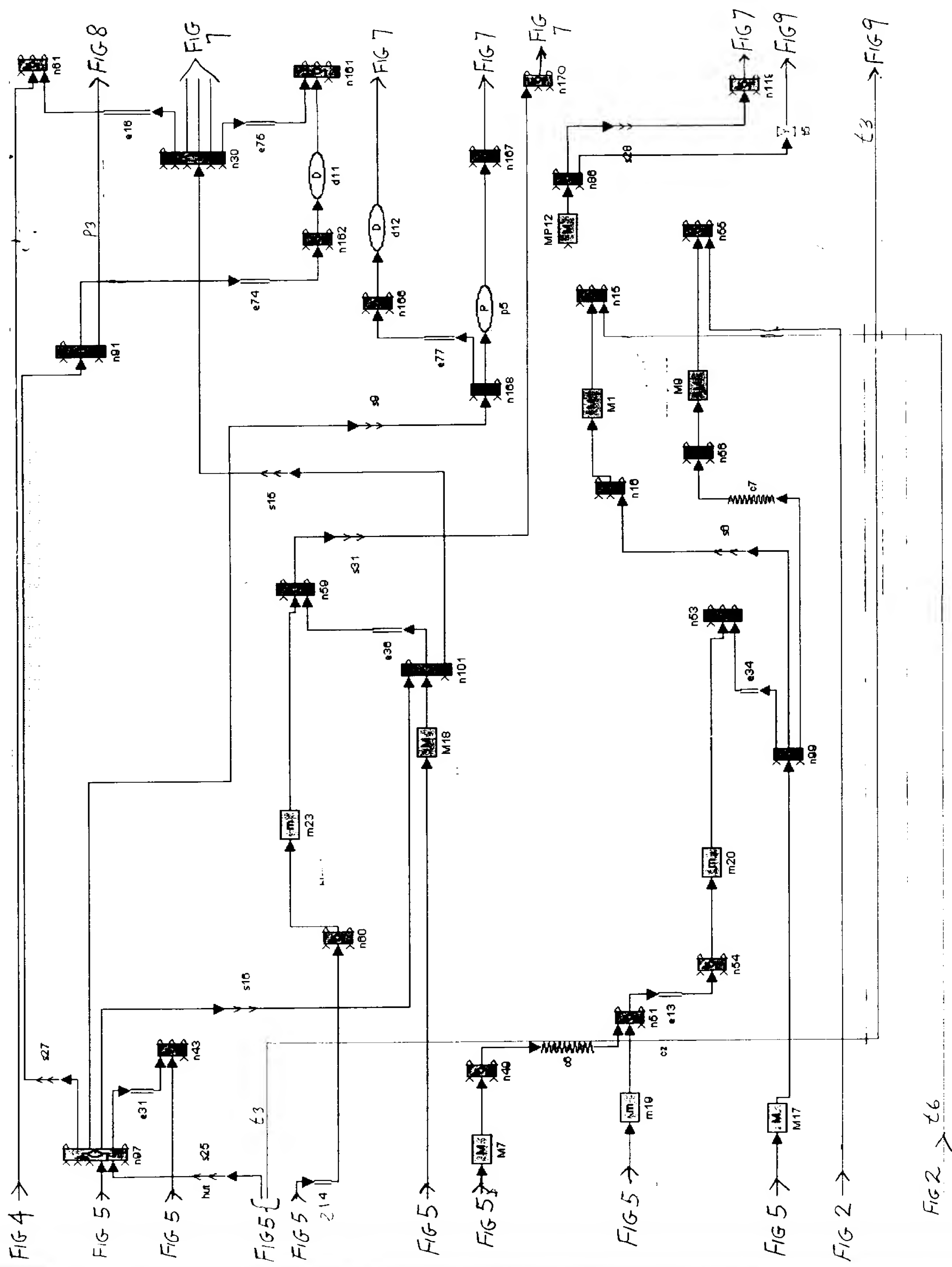


FIG 6



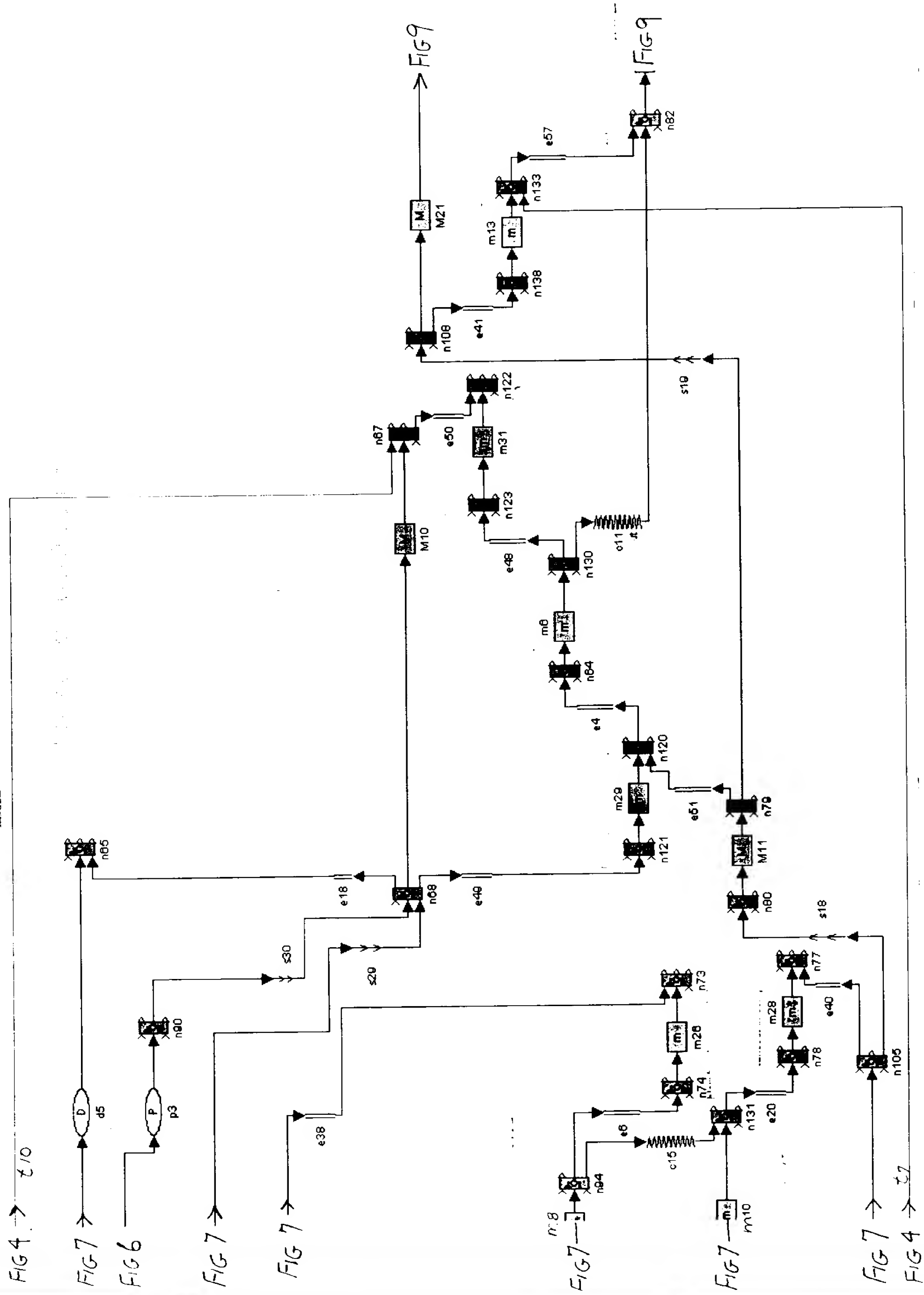


FIG 8



FIG 2 →

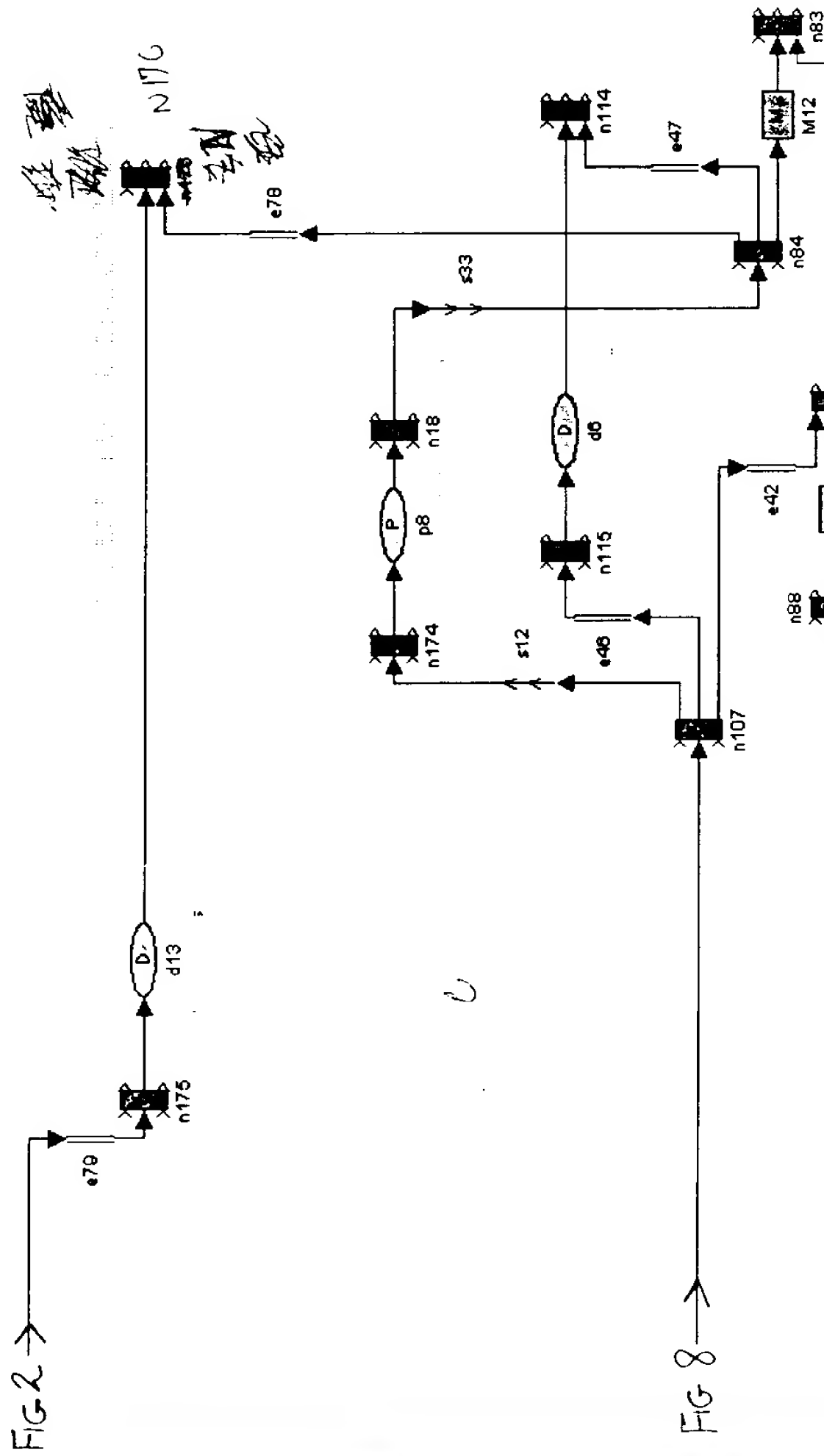


FIG 8 →

FIG 8 →

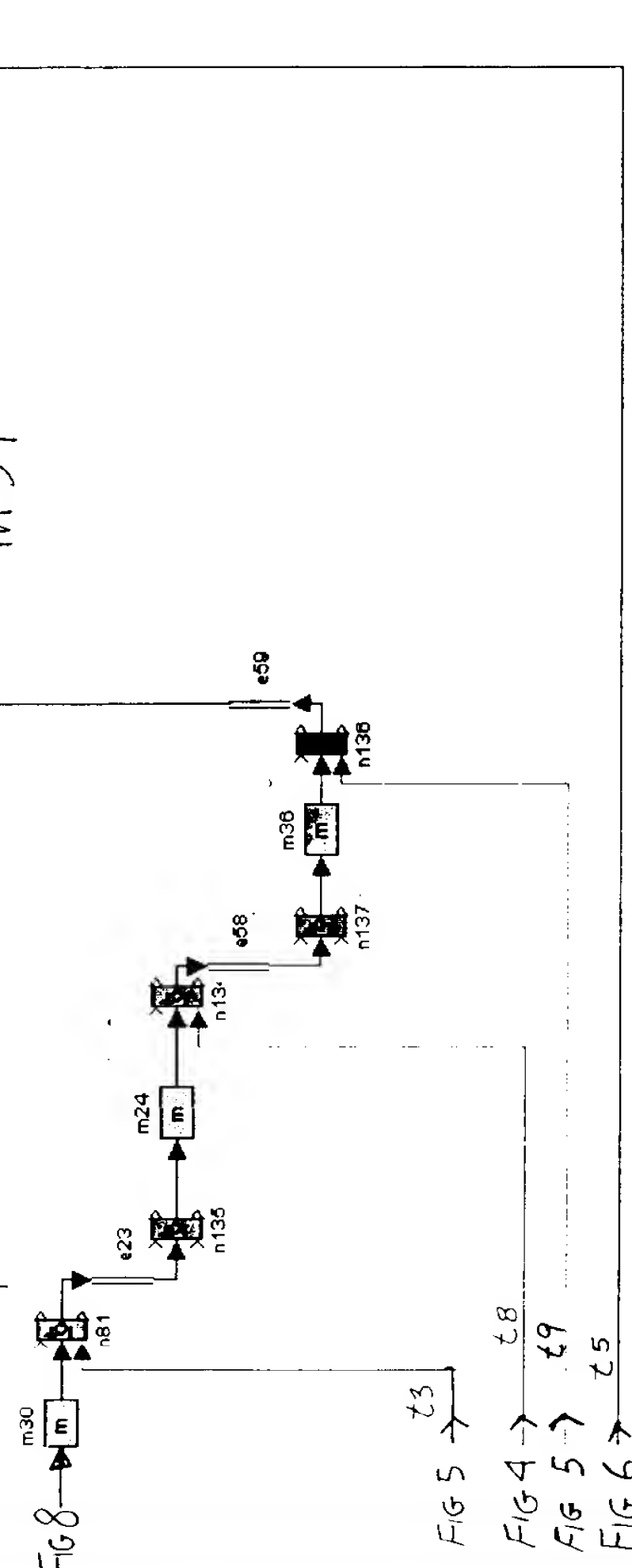


FIG 5 →

FIG 4 →

FIG 5 →

FIG 6 →

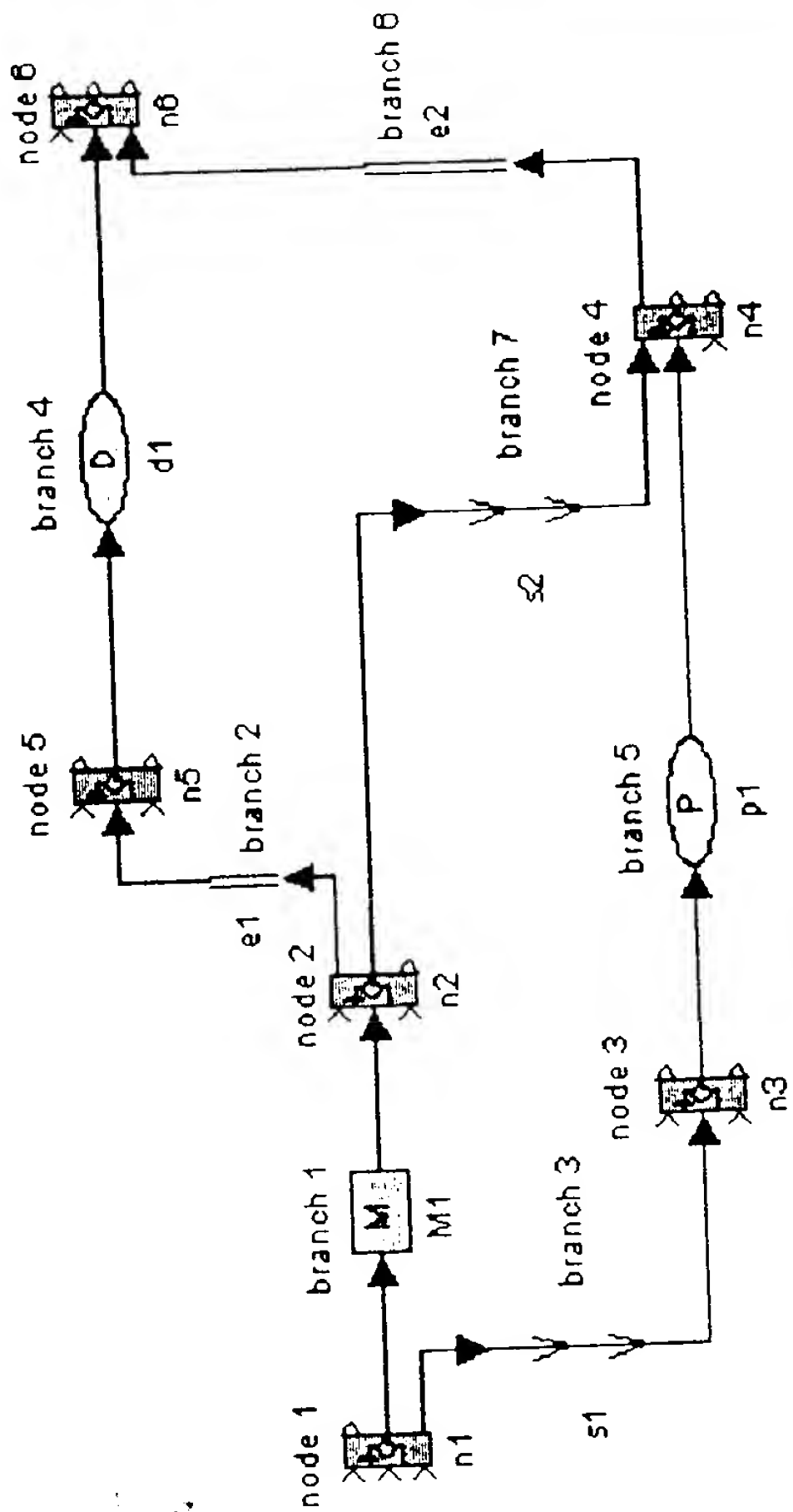


Fig- 10

G H

	Events	ON	OFF
1			
2	Gob Interceptor	334	14
3	Blanks Close	324	130
4	Blanks Open	130	321
5	Plunger Up	33	123
6	First Baffle	9	125
7	Plunger Down	127	327
8	Funnel	1	150
9	Settle Blow	1	1
10	Plunger Cooling	150	260
11	Invert	200	260
12	Neckring Open	274.5	283
13	Revert	282	172
14	Molds Close/Open	229	170
15	Mold Cooling	10	150
16	Blowhead	290	113
17	Final Blow	348	120
18	Take Out IN	137	197
19	Tongs Close	178	78
20	Take Out OUT	197	90

Fig- 11

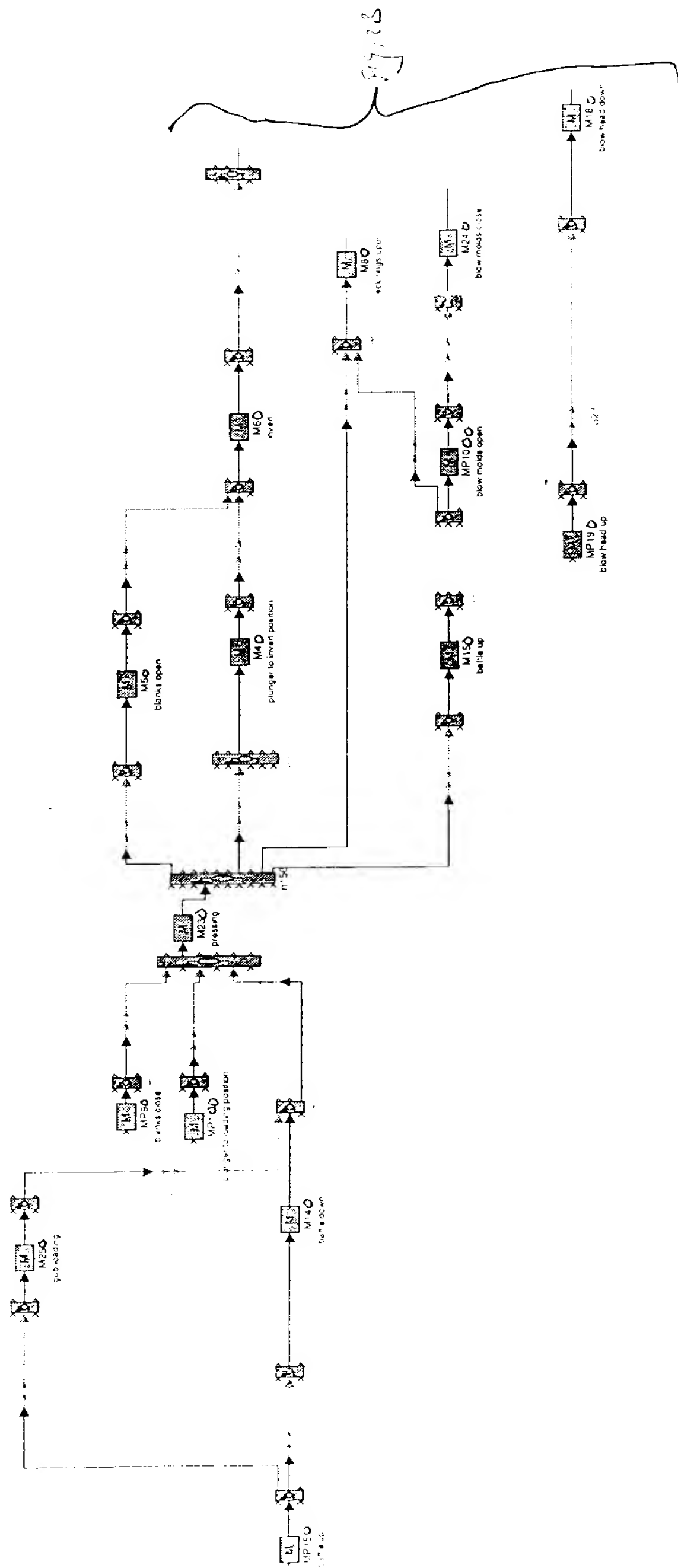


FIG-12A

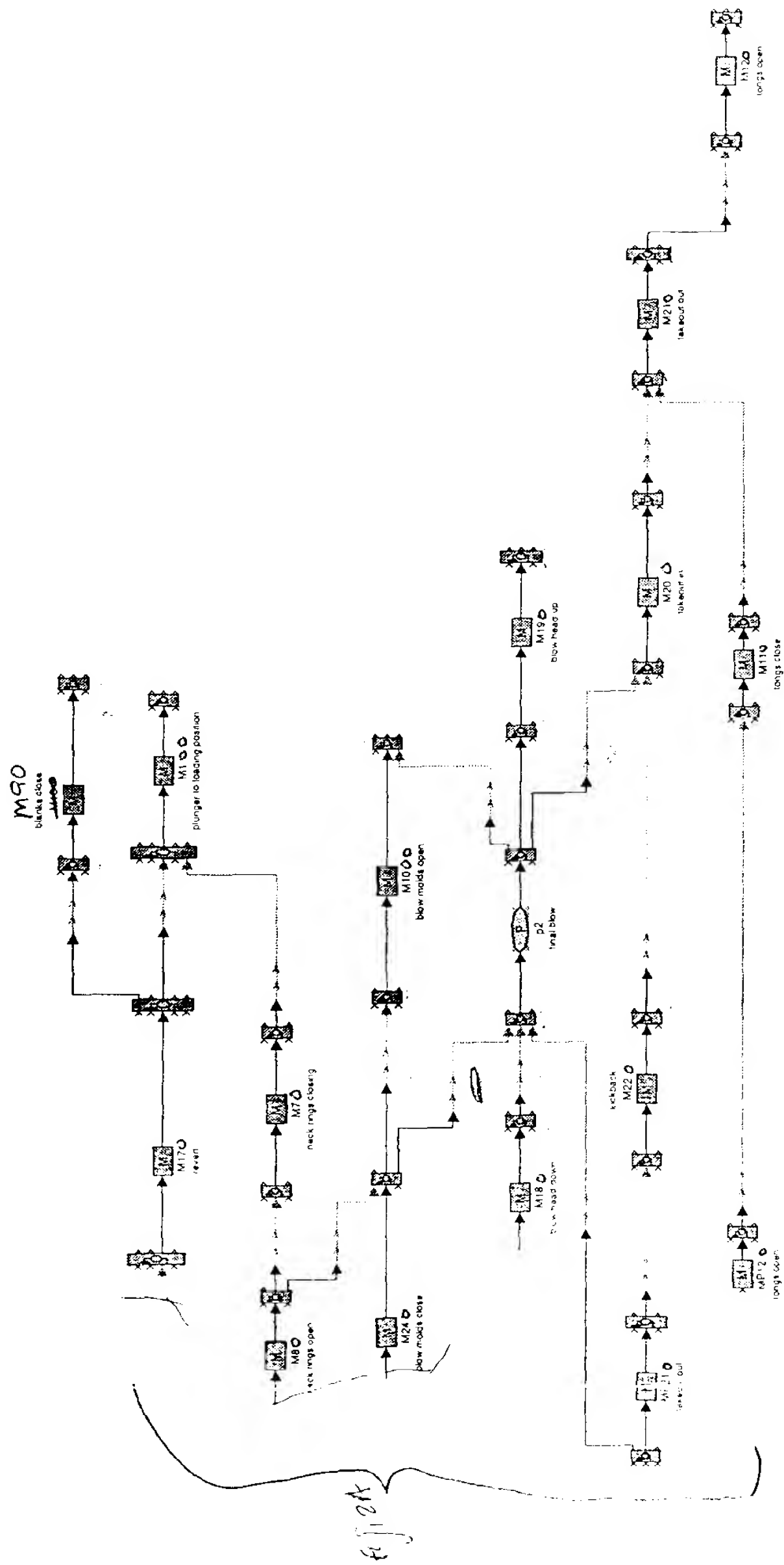


Fig 12B

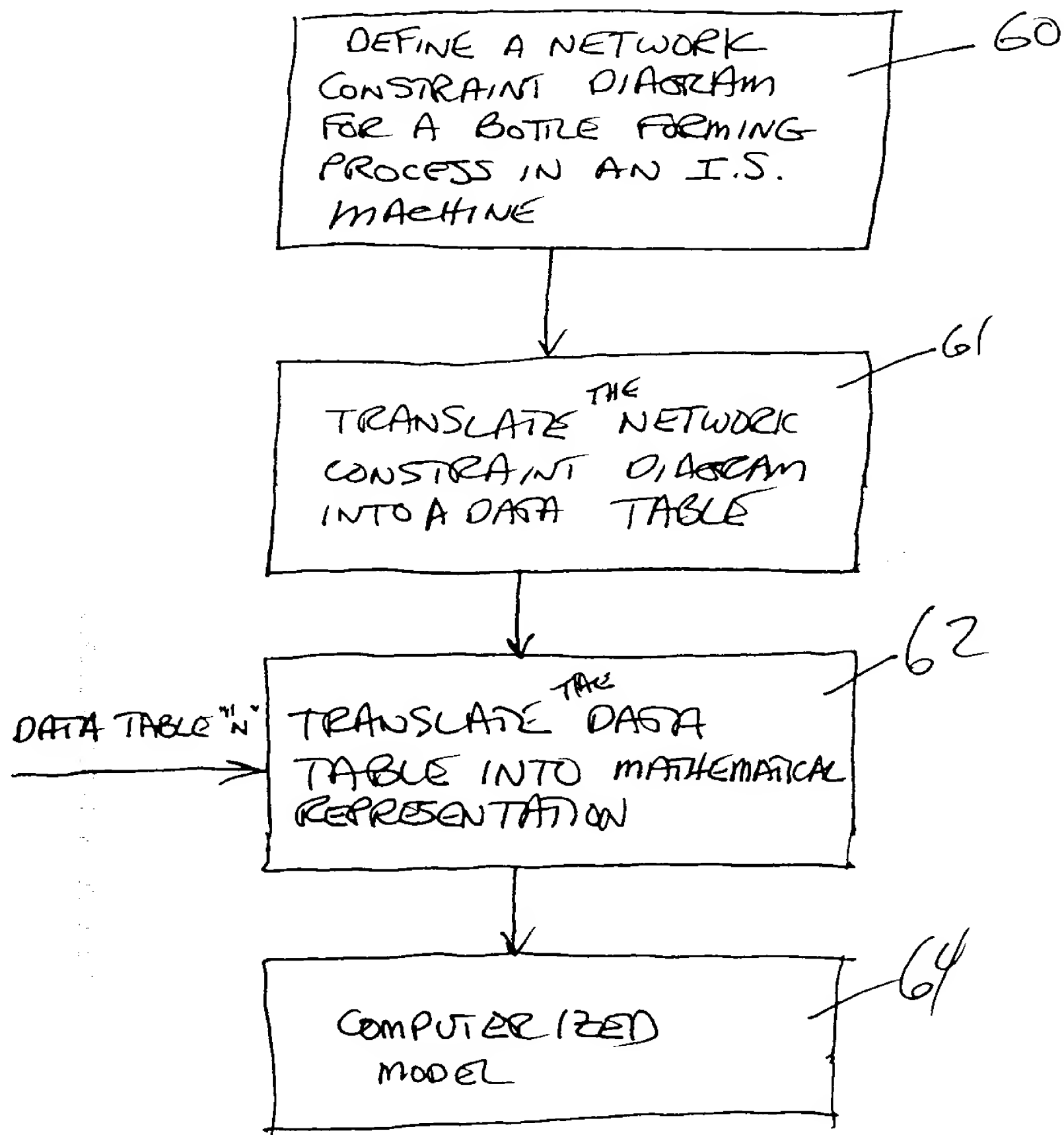


Fig-13

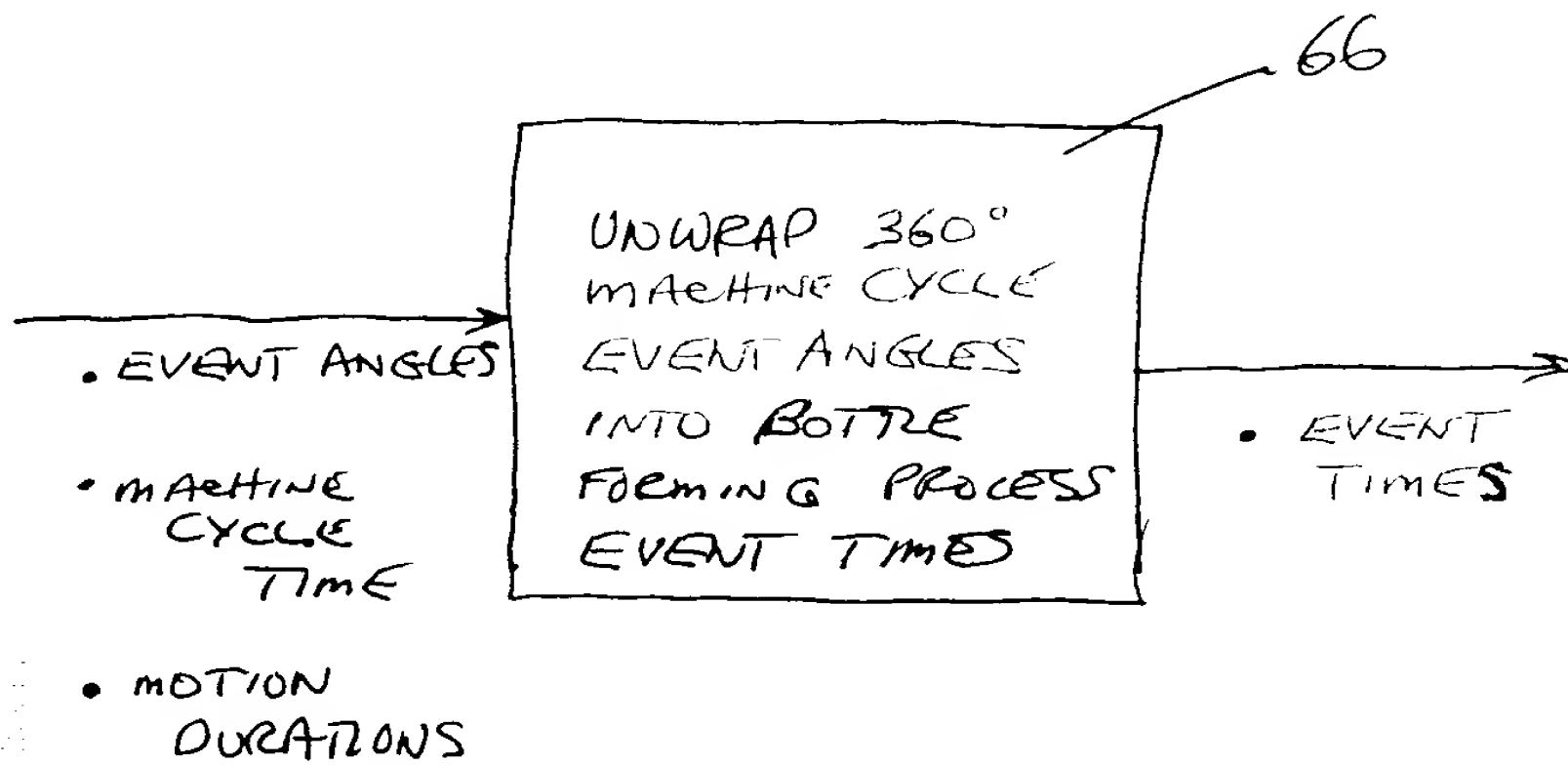
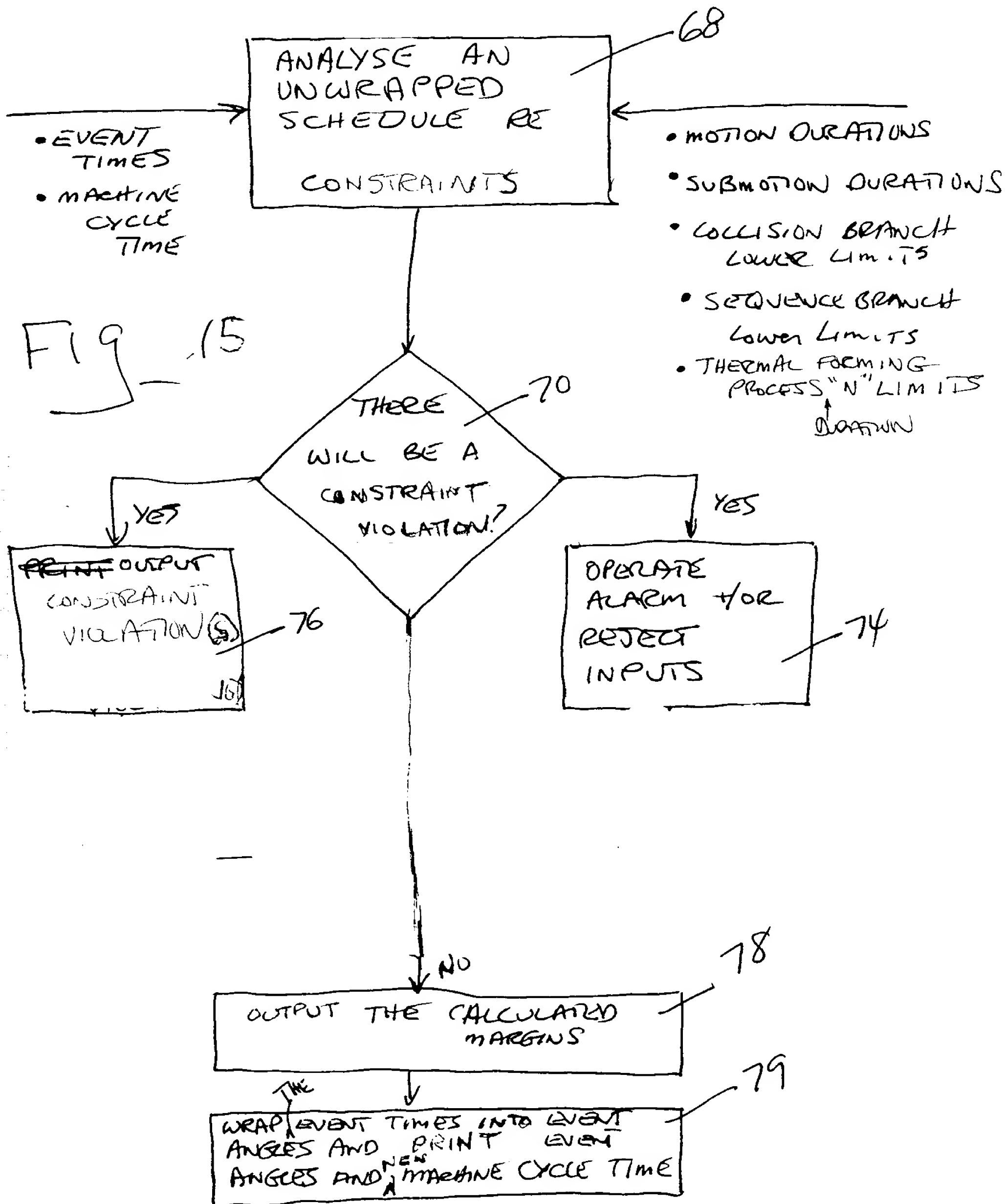
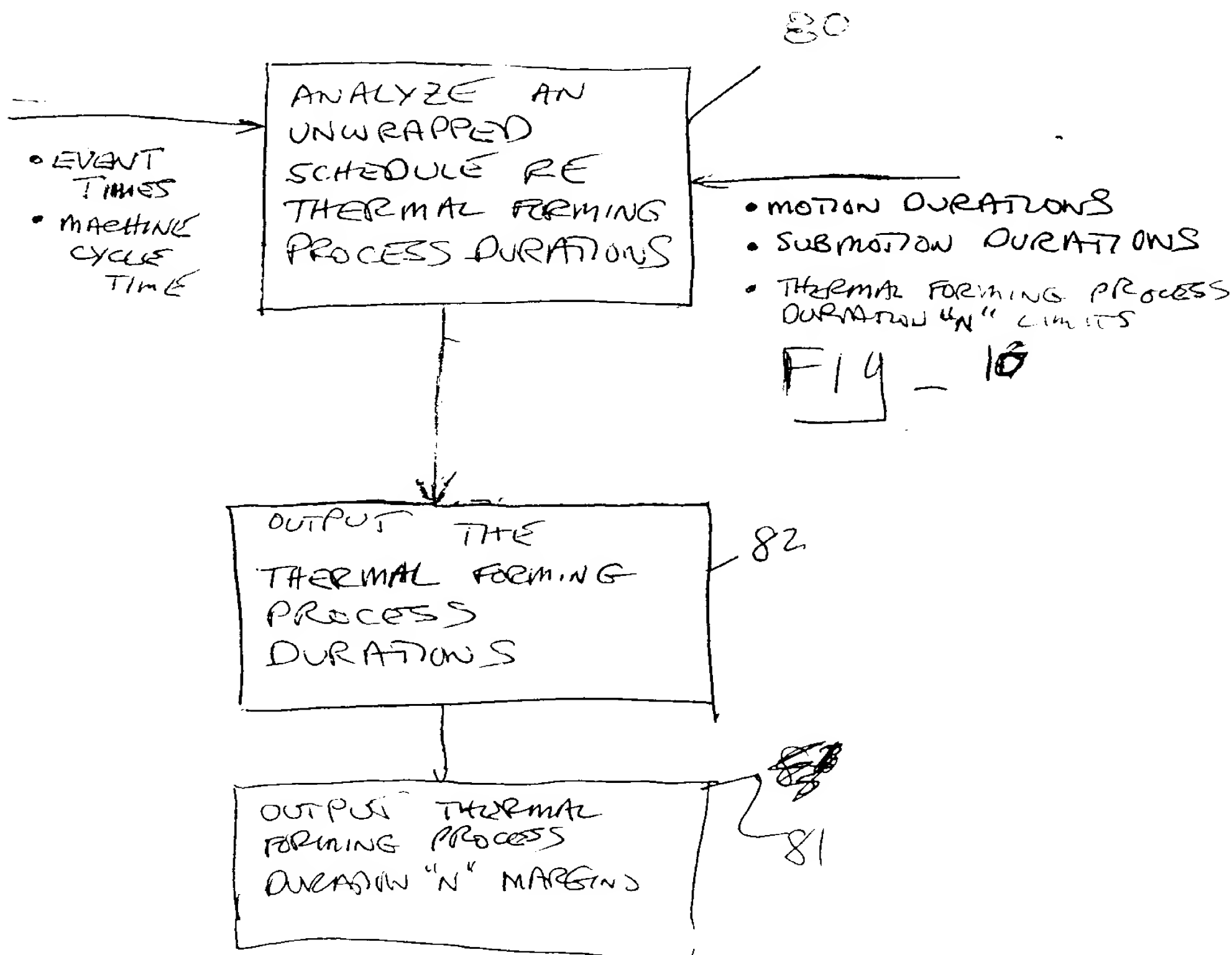


FIG - 14



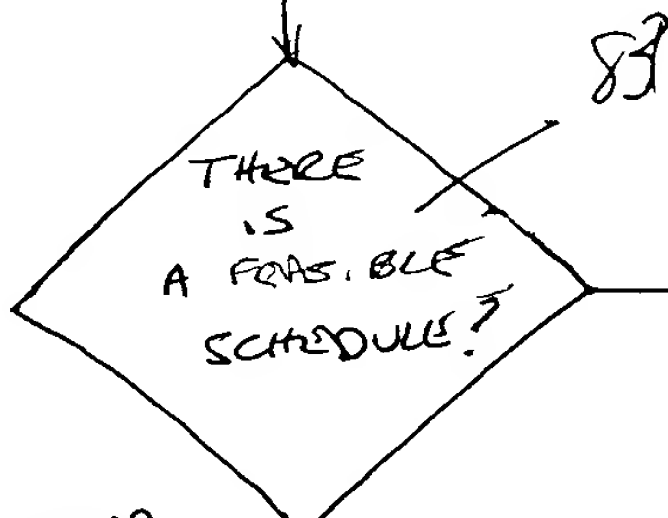




- MOTION DURATIONS
- SUBMOTION DURATIONS
- COLLISION BRANCH LOWER LIMITS
- SEQUENCE BRANCH LOWER LIMITS

OPTIMIZE  
UNWRAPPED  
SCHEDULE FOR  
MINIMUM CYCLE  
TIME

- EVENT TIMES
- MACHINE CYCLE TIME
- THERMAL FORMING PROCESS DURATIONS
- MACHINE CYCLE TIME
- OPTIMIZED MACHINE CYCLE TIME
- LOCK STATUS
- TARGET



NO

REJECT  
THE  
INPUTS

~~85~~

OPTIMIZED

YES

WRAP EVENT TIMES  
INTO EVENT  
ANGLES

84

FIG-17

PRINT THE EVENT ANGLES  
AND THE NEW MACHINE CYCLE  
TIME

86

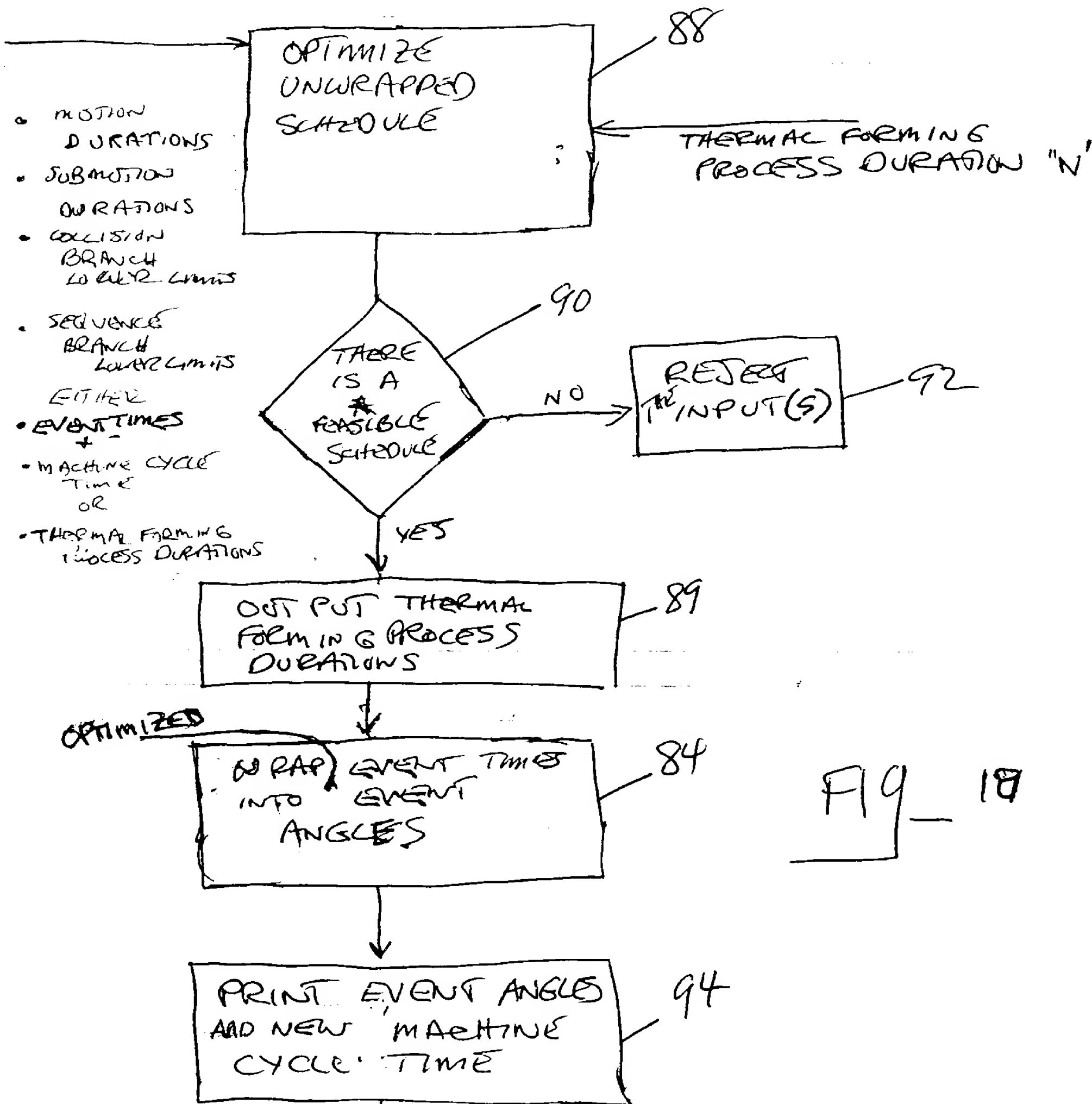


FIG-18

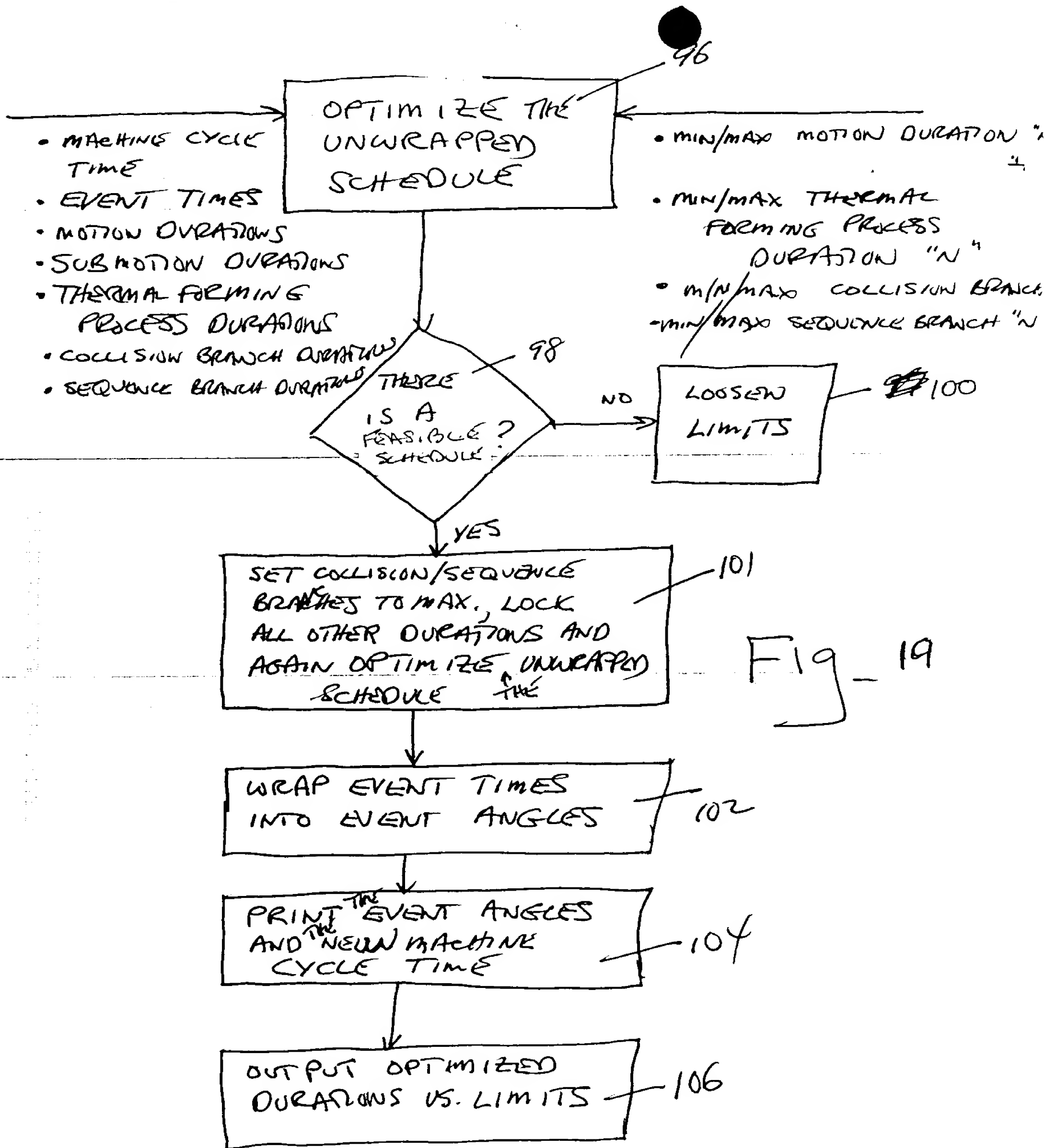


Fig-19

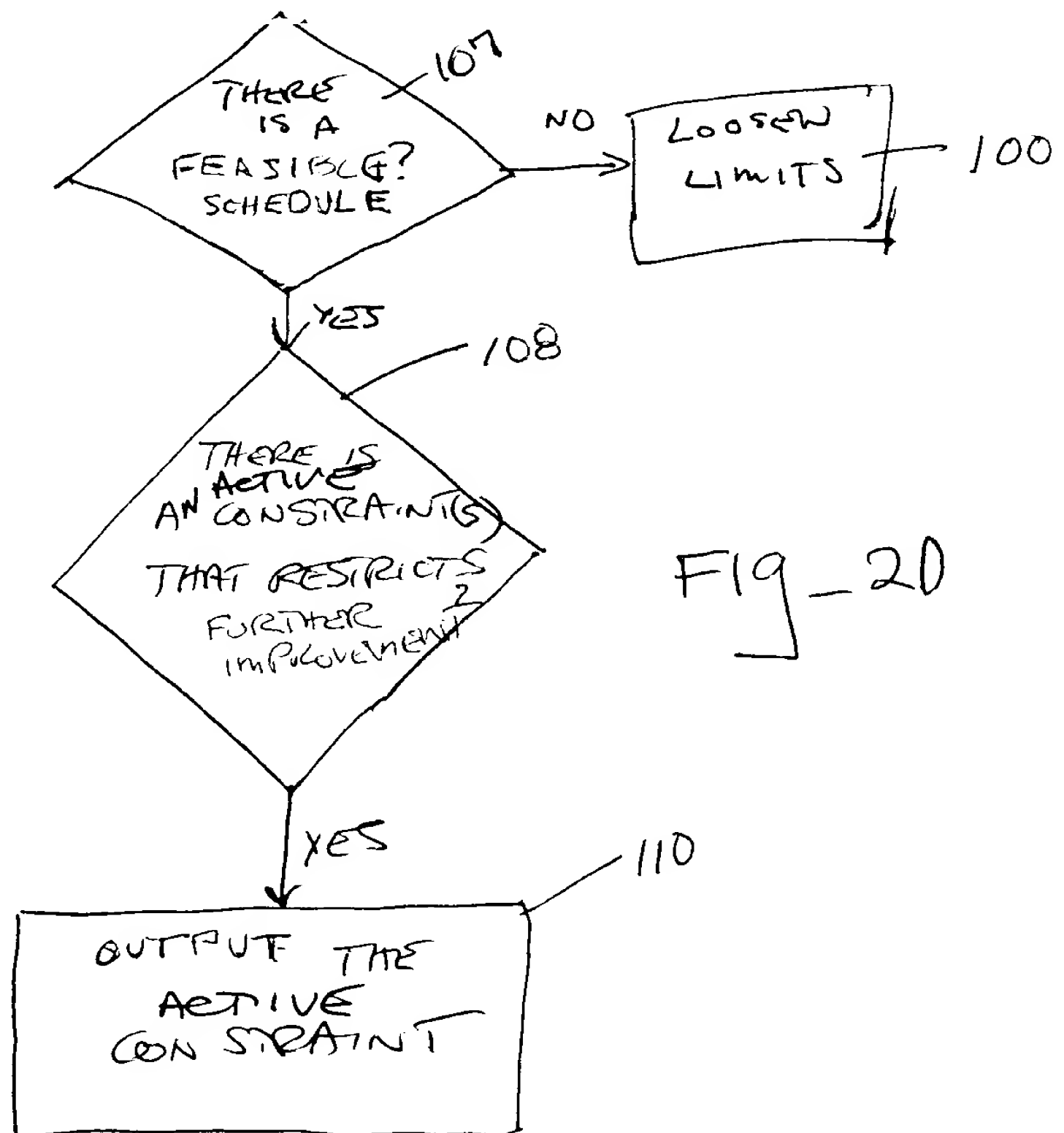


Fig-20

